



Y-12 Photo By Vince Moore

**MEMBERS OF THE OAK RIDGE ART GROUP, INCLUDING several wives of Carbide employees, are shown with the mural "Christ, the Good Shepherd" painted by the group and to be presented to the New Salem Church Easter morning. From left are Mrs. C. B. Graham, whose husband is employed at the Oak Ridge National Laboratory; Mrs. Warren Coward, instructor of the group; Mrs. Russell A. Allstun, wife of a Y-12er; and Mrs. R. M. Batch, whose husband now is at K-25.**

## Wife Of Y-12er Aids In Painting Big Mural To Be Presented Church On Easter Morning

When the big mural painting, "Christ, the Good Shepherd," is unveiled Easter morning at the New Salem Church on the Oak Ridge-Clinton road, it will culminate a project of many months by the Oak Ridge Women's Art Group. Among members of the group who aided in painting the mural is Mrs. Russell Allstun, wife of a Y-12 machine shop employee; and other wives of Carbide employees.

The actual painting was done by more advanced members of the art group, Mrs. Allstun points out, while others contributed materials and funds to the project.

The mural is six feet high and four feet across and represents the efforts of about six of the artists in the group. The work was done under direction of Mrs. J. Warren Coward.

The art group decided to paint the mural for the little church after it was suggested by a church member in a letter to Mrs. Coward. The member pointed out that the church would like a large picture of the Saviour for its remodeled building, but could not afford to purchase such a painting.

Shortly afterward the art group had the canvass stretched, the figures were blocked in and actual painting started. None of the members of the art group belong to the New Salem Church, but they gladly contributed their efforts to the painting.

## Persons Leaving U. S. Asked To Give AEC Data On Trip

The security division of the Atomic Energy Commission again has requested all of its own employees and those of contractors who contemplate any trips outside of the continental United States, either on vacation or business, to provide the AEC with data on the journey. The information may be submitted through the Y-12 Security Office, Bldg. 9704-2, telephone 7125, by any Y-12ers considering leaving the country.

Persons making such trips will be asked to give the name of the country to be visited, length of trip and names of persons and places to be visited. The report should cover any trip away from the country, including Canada, Mexico or Cuba.

## Five Y-12 Men To Give Papers At APS Meeting

**200 Scientists Expected To Attend Three-Day Meeting at Chattanooga**

Five Y-12ers in the Isotope Research and Production Division are on the program of the 17th annual meeting of the Southeastern Section of the American Physical Society to be held in Chattanooga April 5, 6 and 7. They are Russell Baldock, C. E. Normand, J. R. Sites, William R. Rathkamp and J. Rand McNally, Jr.

The meeting, to be held at the University of Chattanooga, is expected to be attended by about 200 scientists from all parts of the country. Personnel from K-25 and the Oak Ridge National Laboratory also are on the program.

### Three On Thursday Program

At the Thursday, April 5, afternoon session McNally will present his paper on Spectroscopic Research With Isotopes. He will point out how the availability of natural and radioactive isotopes has presented new research problems for atomic spectroscopy and also will discuss studies on isotopes of lithium, samarium, mercury, thorium and uranium.

Also on Thursday afternoon Rathkamp will offer his paper on A Continuous Indicating Magnetic Flux Meter and will be introduced by Sites. Rathkamp and Normand also have prepared a joint paper on Evaluation of Vacuum Gasket Materials to be presented at the Thursday afternoon session. Baldock will introduce his fellow Y-12ers in this item on the program.

### Spectrometer Talks Set

Two more Y-12 papers will be presented at the Saturday morning session. Baldock and Sites will offer one on Mass Spectrometer Studies of the Dissociation of Some Metal Arboynls and the same pair have prepared another on Ionization and Dissociation Studies by Means of Mass Spectrometer.

The annual dinner of the organization will be held at 6:30 o'clock Friday night, April 6, at the Read House. Escorted tours to points of interest in the Chattanooga area for wives of delegates to the meeting will be provided Friday morning and a tea and social meeting for members and their wives will be given that afternoon.

## Y-12 Groups Are Bunched In Attendance

Departments throughout Y-12 were closely bunched in the attendance standings for the week ending March 11, when the plant-wide absentee average dropped to 2.8 per cent, .4 per cent lower than the preceding week.

In the Major League, composed of departments with more than 50 employees scheduled, first place was occupied by the Chemical Department with an absentee mark of 1.4 per cent. Chemical was in second place for the week ending March 4. In second place just behind Chemical was Electrical Maintenance with 1.5 per cent of its personnel absent and which advanced from sixth place. The Guard Department was in third place with an absentee record of 1.7 per cent. The Guards were in first place for the week ending March 4.

Only three departments in the Minor League with 15-49 employees scheduled, posted perfect attendance records for the week ending March 11. They were the Cafeteria, Superintendents and research Engineering. The first two were repeaters from the previous week, while Research Engi-

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## U-T Graduate Classes Will Open On Monday

The spring quarter of classes in the Oak Ridge Resident Graduate Program of the University of Tennessee will open next Monday, March 26 in Oak Ridge and Knoxville, according to an announcement by the graduate school of the university. The registration period for the graduate school classes now is under way and will close Saturday, March 24, at noon.

Registration forms have been mailed to students enrolled in the winter quarter classes and should be returned to the secretary of the graduate school, Room 7, Oak Ridge Institute of Nuclear Studies Training Building.

The spring quarter course offerings include Chemical Engineering 513, Chemistry 521, 543C and 671; Mathematics 417, 453, 523, 563, 573 and 599; Metallurgy 583 and 594; Physics 413, 451, 454, 542 and 621 and Zoology 577.

## Y-12ers Will Feature ACS Radio Program

Roberta McCutcheon, of the Y-12 Analytical Chemistry Division, will discuss "Flower Gardens" on the weekly radio program, Headlines in Chemistry, scheduled for Sunday night, March 25. Broadcast time for the program is from 9:15 p. m. to 9:30 p. m.

Types of flowers suitable for this section of the country will be outlined by the speaker. She also will tell of the advantages and disadvantages of annual, biennial and perennial plants under the soil and climate conditions of the area and discuss care and details of gardening in general.

V. C. Jackson, also of the Y-12 Analytical Chemistry Division; and Joseph Ruzicka, of the Atomic Energy Commission, will be co-hosts on the Sunday night program.

## Story And Pictures In The Bulletin Of Bicycle Safety Training In School Used As Basis For Article In Safety Council Magazine

Just before school closed last spring an interesting, instructive and valuable course in bicycle safety was presented youngsters of the Linden School, with several Y-12 parents and their children participating. The story of the course, with pictures, was published in The Bulletin on June 7, 1950, in which the lessons on safety brought home to the pupils was stressed.

Miss Ruth Jewell, teacher at Linden School and safety patrol sponsor who was active in instructing the youngsters and greatly responsible for the success of the program, used The Bulletin

story and pictures as a basis for an article of her own appearing in the March issue of the magazine Safety Education, a publication of the National Safety Council devoted to teaching of safety in schools.

The Safety Education article covers four pages in the magazine and tells how the course was launched at Linden School and then spread to other Oak Ridge schools. Shown in one of the pictures in the magazine is Y-12er Stanley F. Fairbourne, who was president of the Parent-Teacher Association at the school when the program was given and who with

Norman Derryberry and A. K. Bowles, also Y-12ers, aided in giving the training course in bicycle safety. Other pictures show the youngsters receiving various phases of the training, which was given on three successive Saturday mornings with pupils being given certificates on satisfactory completion of the course.

Cooperation in presenting the course was given by the Oak Ridge police department and other city officials, as well as P-TA members and other parents in the school. At the time all expressed the opinion that the course would be a great benefit to the youngsters in aiding them to avoid accidents.

## Red Cross Drive Brings 148 Pct.; Sets New Mark

**Generous Y-12ers Give \$3,702 With Additional Contributions Expected**

Generous Y-12ers set new records for plant participation in the annual Red Cross fund appeal this year.

With only a few more reports expected to be made, figures in the office of Pat Hamrick, Industrial Relations Division representative on the plant-wide committee coordinating the campaign in Y-12, showed last Friday afternoon that \$3,702 had been contributed in cash and payroll deduction pledges. **150 Per Cent Expected**

This is 148 plus per cent of the \$2,500 quota assigned to Y-12 in the drive. It is confidently expected that final contributions trickling in will bring the total to more than \$3,750, which would be 150 per cent of the original goal.

The 148 per cent mark achieved by Y-12ers is the best in four years of Red Cross campaigning in the plant. In 1948 with a \$2,000 quota the sum of \$2,700 was raised for a record of 125 per cent. In 1949 with an \$1,800 quota Y-12ers contributed \$2,063.25 or 114 per cent. In 1950 the response was 136 per cent when Y-12 employees contributed \$2,177 after the original quota was \$1,600.

Whole-hearted response in every Y-12 department marked the 1951 campaign. Not a single department in the plant failed to meet or exceed its assigned cash quota in the current campaign and many groups far exceeded their goals. The percentage of Y-12ers contributing to the Red Cross appeal was exceptionally high with only a bare handful declining to answer the call of the agency for funds to operate its program.

The success of the campaign can be attributed to the cooperation of all Y-12ers and the efficient coordination of the drive by the plant-wide committee, Supervision and employees throughout the plant.

Y-12 Area Superintendent W. D. Lavers was chairman of the committee with other members being F. C. Lowry, associate chairman; W. C. Davis, Bruce Whitaker, of Manufacturing Office; Carl Roddy, Engineering; W. S. Herron, Chemical; Nelson Tibbatts, Maintenance, and Hamrick.

### ATOMIC WARSHIPS SEEN

The United Press recently reported that the British Admiralty is engaging in secret research toward use of atomic power for warships.

### SAFETY SCOREBOARD

Your Plant Has Operated

26 Days

Without A Lost Time Accident

Through March 18



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## Y-12 Groups Are Bunched In Attendance

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neering climbed from 10th place. The Janitors Department held their second place for the second straight week and reported .6 per cent absenteeism for the latest reporting period. Health Physics and Hygiene also repeated their third place mark of the previous week and had an absentee mark of .9 per cent.

The plant-wide absentee record for the week ending March 11, by departments, follows:

MAJOR LEAGUE				
Dept.	More Than 50 Employees	Percentage Absent	Scheduled Standing	3-11-51
2619	1.4	1	2	
2077	1.5	2	6	
2091	1.7	3	1	
2142	1.9	4	4	
2014	2.6	5	8	
2616	2.9	6	7	
2003	3.0	7	5	
2283	3.5	8	3	
2282	4.59	9	10	
2015	4.61	10	9	

Group absentee percentage was 2.9 per cent, .5 per cent lower than the preceding week.

MINOR LEAGUE				
Dept.	15-49 Employees	Percentage Absent	Scheduled Standing	3-11-51
2107	0.0	1	1	
2200	0.0	1	1	
2064	0.0	1	10	
2001	0.6	2	2	
2108	0.9	3	3	
2144	1.0	4	10	
2143	1.2	5	1	
2743	1.4	6	1	
2005	1.7	7	1	
2109	1.9	8	11	
2002	2.7	9	12	
2008	2.8	10	8	
2018	2.9	11	1	
2133	3.06	12	6	
2060	3.13	13	1	
2096	3.6	14	13	
2046	4.8	15	4	
2145	5.2	16	9	
2090	5.9	17	5	
2739	5.9	18	7	

Group absentee percentage was 2.4 per cent, .2 per cent lower than the preceding week.

The plant average for the week ending March 11, 1951, was 2.8 per cent, .4 per cent lower than the preceding week.

## Princeton Professor Speaker At Physics Seminar Meeting

Prof. M. H. L. Pryce, of Princeton University, will lead discussions at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, March 23. The meeting will be held in the East Lounge of the Ridge Recreation Hall. Professor Pryce's topic will be "Recent Developments in Paramagnetic Resonance." Y-12 technical and scientific personnel interested in this subject are invited to attend.

## Y-12ers Need Not Be Alarmed At Blasting In Plant Area

Y-12ers need not become alarmed at intermittent "boom-booming" around the plant area for the next several weeks. The plant is not being bombed—the explosions will merely be dynamite blasts of not too great force by the J. A. Jones Construction Co., which is rebuilding power lines in Y-12. The blasting is scheduled to begin this week and continue for some time until the construction work progresses.



**DONALD I. DAVIS**, formerly of the Y-12 Guard Department, and his bride, the former Miss Glenna Law, of Knoxville, are shown above. They were wed recently in Camp Pickett, Va., where Davis is stationed with the United States Army. The former Y-12er is a stepson of C. C. Chamberlain, of the Maintenance Shops Department, who received the picture from the newlyweds last week. Davis entered the service last November after coming to work in Y-12 on July 24, 1950.



The following Y-12 employees were patients at the Oak Ridge Hospital last week: Ernest W. Palmer, Oliver C. McDermott and Charles J. Beckett, Field Maintenance; Fred B. Thomas, Isotope Research and Production; Edward G. Gardner, Maintenance Shops; Gordon E. Fielden, Electrical Maintenance; Leila C. Leslie, Laundry; George W. Boggs, Guard; Harry W. Grubb, Chemical; and John R. Duckworth, ANP Division.

## Rides Wanted And Offered

**RIDERS WANTED** — Have vacancies for two or three passengers from Fountain City and Inskip section to Y-12 for shift workers. J. E. Bledsoe, Bldg. 9212, telephone 7247.

**RIDERS WANTED** — Have vacancies for three passengers from one mile north of Clinton to Y-12, day shift, leave Clinton 6:50 a. m., arrive Y-12 7:30 a. m. Eugene Hill, Paint Shop, telephone 7185.



The man, the calendar and a little book says spring is here. About the best comment on the subject is — "Well, it's about time."

P. S. As of Monday morning — Oh Gnats.

**R. O. Hutchison**, of the Isotope Research Department, was in New York last week. . . . **Edith Zarzecki** and her husband spent a recent week end in Nashville and attended the All Southern Bowling Tournament while there. . . . You've heard about guys that forgot to duck—or duck too late. Well, **Bill Rathkamp** goes them one better—he ducked too soon the other day when some of the boys were whooping it up by tossing snowballs around in the vicinity of Bldg. 9731. As Bill ducked, there was a horrible ripping sound—and Bill had to back into the building with a badly damaged pair of britches. **Boodie Garrett** came to the rescue and effected temporary repairs on the garment—not while on Bill, however—but sufficiently to allow him to continue his labor and go home in modesty. To make it all so unnecessary, Rathkamp reported, the snowball pitch was far wide of its mark.

**Ward Foster**, of the Electromagnetic Research Division, came down last week with an attack of virus pneumonia, so he notified the folks in Y-12. After taking a lot of new-fangled remedies he reported Friday that he expected to be back in harness this week.

Congratulations are in order for **Howard Tillery**, of the Plant Engineering Department, who became a proud papa when his baby girl, Glenna Claire, was born on March 9, at St. Mary's Hospital in Knoxville.

The Material Chemistry Division welcomes **George M. Begun** to the department.

The Laundry Department wishes a speedy recovery for **Lela Leslie**, who is in the Oak Ridge Hospital; and for **Lillian Hamlet**, who also is on the sick list. . . . The department welcomes **Pauline White** back to its roster.

**Sam King**, of the Electrical Maintenance Department, spent a week of vacation in Winchester, Ky. . . . **Harold Hammer** and **E. H. Kelley** have reported back from a week of vacation. . . . Get well wishes are extended to **G. E. Fielden**, who is in the Oak Ridge Hospital; and to **J. P. Jones** who is ill at his home in Oliver Springs. Also get-well wishes are extended to **C. B. Newman's** wife.

**J. L. English**, of the Reactor Technology Division, attended a meeting in New York last week.

The Property Sales Department welcomes **S. M. Liles** and **J. R. Plyman** to the roster. . . . **Hazel Tompkins** received good news last week — she heard from her son, Louis, who is a chief petty officer



**WOMEN EMPLOYEES IN THE Y-12 ANALYTICAL LABORATORY** and friends were hostesses at a linen shower Monday night, March 12, for Miss Lillian Jean Meyer, who is to be married March 24. Guests pictured above are, standing from left, Mrs. Jo Dafferner, Betty Rule, Mrs. Betty Byrd, Vera Spickard, Ida Abrams, Elizabeth Patrick, Mrs. Catherine Love, Mrs. Martha McCombs, Miss Meyer and the "washwoman" Nancy Shobe, delivering the linen. Seated is Bonnie Anderson. Hostesses were Mrs. Love, Miss Anderson and Miss Shobe and the affair was given at the home of Mrs. Love, 119 Tabor Road.

in the navy, with an underwater demolition team. He has been in Korea but now is in Japan and is expected to arrive home around April 1. . . . The department is sorry to hear of the illness of **Warren Bass'** small son and hope he will soon recover.

The Medical Department welcomes **Charlyne Smith** to the roster.

The Field Maintenance Department extends get-well wishes to **L. A. Turpin** who is ill at his home in Oliver Springs. . . . Folks in the department are glad to hear that **C. J. Beckett** and **John B. Gray** are on the road to recovery.

The Product Chemical Department extends congratulations to **Al Townsend** who became the proud father of a baby boy on March 12, at the Oak Ridge Hospital. The lad weighed seven pounds and 14 ounces, and they named him Allen B. Townsend, Jr. . . . Also congratulations to **Bob Ellingson** who is now the proud papa of a baby girl whom they named Mary Claire. She weighed in at eight pounds four and one half ounces when she arrived at the Oak Ridge Hospital on March 6.

**Benson Garrett** of the Chemical Department was called home to Hawkinsville, Ga., last week because of the illness of his mother. The department wishes her a speedy recovery.

**Lucia Padgett**, of the Stores Department, had her mother, Mrs. Dora Phillips, from Easley, S. C., as a recent week-end guest. . . . The department wishes **Jean Ayers** a speedy recovery from the measles. . . . Also get well wishes to **Bill Davis**.

**Ed C. Long**, of the Health Physics and Hygiene Department, and his sister, **Frances Sachs**, of



## MEYER - GILFILLAN

Of interest to the many Y-12 friends of Miss Lillian Jean Meyer, of the Y-12 Analytical Laboratory, is the announcement of her engagement to Robert Frederick Gilfillan, a student at the University of Minnesota.

The marriage will take place at 5 o'clock on Saturday afternoon, March 24, at the First Baptist Church, Minneapolis, Minn.

The bride is the daughter of Clem H. Meyer and the late Mrs. Meyer, of 142 Morningside Drive, Knoxville. Parents of the groom are Mr. and Mrs. Robert M. Gilfillan, of Jacksonville, Fla.

The bride will wear a navy blue suit and accessories and her flowers will be camellias. Mrs. William R. Boyd will be matron of honor and will wear a beige suit.

William R. Boyd, of the University of Minnesota, will be best man.

Miss Meyer graduated from the University of Tennessee in the class of 1950. Gilfillan attended Emory University, Atlanta, Ga., and then obtained his B.S. degree at the University of Tennessee in 1949 and a M.A. degree in 1950 before going to the University of Minnesota.

the Plant Records Department, have as guests this week their parents, Mr. and Mrs. Edward C. Long, Sr., from Athens, Ga.

The Transportation Department wishes a speedy recovery for **W. T. Bradshaw** who underwent a recent tonsilectomy.

**Ann Bishop**, of the Analytical Laboratory Department, is back from a week of vacation. . . . The department hopes that **Arthur Holmes**, who is suffering ill effects from an automobile accident, will be able to return to work soon.

The Guard Department was sorry to learn that **G. W. Boggs** has pneumonia—and while he was on a two-week vacation, too!

**Mal Wallis**, of the Electromagnetic Research Division—or maybe he should be called "former"—now—just dropped in to say a hasty "goodbye." He left Saturday for Los Alamos National Laboratory where he will be stationed in the future. So with telling Mal so-long and best of luck—we will do likewise with the rest of you folks.

## NEW LABORATORY PLANNED

The Salt Lake City Tribune says that Dr. John Z. Bowers, dean of the University of Utah school of medicine, has announced the university is planning a "new and startling atomic energy laboratory."



**E. G. STRUXNESS**, OF THE Y-12 HEALTH PHYSICS AND HYGIENE DEPARTMENT, IS shown directing a rehearsal of a choir composed of singers from Oak Ridge and Knoxville Lutheran churches for concerts given March 18 and 20. Struxness is director of the Grace Lutheran Church choir of Oak Ridge. In the picture E. C. Long is seventh from right front row; U. L. Alspaugh eighth from right second row, Paul Galle fourth from right third row, George Marrow sixth from right third row, Mrs. George Marrow left end front row, Mrs. Struxness right end second row, Mrs. Alspaugh third row directly over left shoulder of director, Mrs. Galle seventh from right fourth row, Mrs. W. B. Cottrell fifth from right fourth row. All the singers listed are Y-12ers and wives of Y-12ers.

Y-12 Photo By Vince Moore



# SPORTS NEWS IN Y-12



6-2358 THE GUARDS BOWLING TEAM, SHOWN AT LEFT, PROVED THE SENSATION OF THE C League recently by defeating the Orphans with only four of its six members present. In the picture are, from left, Ben Thomas, Preston Wallace, George Wylie, George McPherson, J. C. Booher and P. C. Goins. In the picture at the right is the Toppers team of the D League. Seated from left are E. W. Forbes, keeping score but not a team member; Preston Wallace, Russell Allstun. Standing are Ben Thomas, John Watts and K. A. Parker. Some of the players "double" in their bowling between the two leagues.

## Strikers Strengthen Hold On First Place

The Strikers won four games from the Splinters to strengthen their hold on first place in the D League, Tuesday, March 13. The Pick Ups won three games from the Cermets, the Toppers won three from the second place Isotopes, and the Old Men tied the Pick Ups for third place by winning three games from the Angstroms.

Frank Knox of the Cermets had a 200, high scratch single game, and a 238, high handicap single game for the night. Robert Martin of the Pick Ups had the high scratch and handicap series with a 545 and a 647.

The Strikers were high in the team scratch departments with a 856 single game and a 248 series. The Pick Ups took the handicap honors with a 993 single and a 2875 series.

League standing follows:

Team	W	L	Team	W	L
Strikers	30	14	Angstroms	22	22
Isotopes	26	13	Cermets	21	23
Pick Ups	23	21	Splinters	17	27
Old Men	23	21	Toppers	14	30

## Men And Women Racqueteers Urged To Prime For Season

The recent article by Arnold Tiller mentioned that tennis weather was predicted for this area. With the tennis weather at hand it seems a good time for the netters of Y-12 to get started with practice. Although no move has yet been made for formal organization, members of last year's squads and those who hope to participate this year should be well into their pre-season training program.

The women's varsity team has the city championship to defend. They won this title for the past two years and should be stronger this year. The men's team is expected to make a good showing this coming season. Many of the newcomers to the plant are expected to assist in this matter by coming out for the team.

All employees interested in participating in tennis are urged to watch for an announcement of the first organizational meeting to be held some time in the near future. For further information call by the Recreation Office, North Portal, or telephone 7753.

## Ladder Competition For Y-12 Golfers Set For Benefit Of Players Not In League Play

To provide additional opportunities for competition among Y-12 golfers in addition to the regular Plant Golf League, the Recreation Office has established a ladder type of competition with play ready to begin as soon as weather permits. The ladder type of play was installed after considerable interest was shown, particularly among shift workers whose hours make playing on a regular league team difficult.

### Eligible For Plant Team

The ladder type of play will give all golfers in Y-12 an opportunity to establish averages in competition, thus becoming eligible to play on the plant-wide Y-12 team to represent the plant in matches with outside opposition.

Only 11 players have been placed on the ladder to start off the competition and their original standing is based on previous averages.

The first 11 players and their averages are (1) John Shugart 80, (2) Les Cater 80, (3) W. H. Bauman 80, (4) Floyd Ludwig 84, (5) Arnold Tiller 84, (6) J. Clyde Bowles 86, (7) Leo Caldwell 86, (8) W. D. Lavers 86, (9) Walt Sherrod 86, (10) Bill Wanamaker 86, (11) Larry Koontz 86.

### How To Get On Ladder

Players not listed on the ladder and wishing to play in this competition may be placed on the roster in two ways.

The first is to call the Recreation Office, North Portal, telephone 7753, and ask to have the name placed at the bottom of the ladder. The other is for any unlisted player to challenge any golfer on the ladder. If the challenger wins the match his name will replace that of the loser with the loser and other lower listed players dropping down one notch. However, if the challenger is defeated his name will be placed at the bottom of the ladder.

Golfers already on the ladder may challenge any other player not more than three rungs ahead at any time. If challengers in such matches are victorious they will move one notch ahead of the challenged golfer with the latter dropping back one rung and others rated below also dropping back one rung in turn.

No player can challenge the same opponent more than two times in any one 30-day period.

### Averages On Same Basis

All averages of players on the golf ladder will be kept and considered on the same basis as those of the golfers on the league teams in picking members for the Y-12 plant team, when the eight leading linksmen in the plant will be selected to meet outside teams. All challenge matches for scores

## Hooks Increase Lead In C Bowling League

The Hooks of the C League increased their first place lead and put the Hornets in second place by winning three games from the Short Circuits Wednesday, March 14. The Orphans moved into a tie with the Short Circuits for third place by gathering four points from the absent Thin Pins. The Hornets won three games from the Moles and the Guards moved up to fifth place with a four game win over the Hurricanes.

Elmore Koons, an Orphan, rolled the high scratch games and also had the high handicap series for the night. His 541 scratch series was third high for this half. This gave him a high 631 handicap series for the night. Koons had a 189 high scratch single game while Forrest Seeley, a Mole, had a 223 high handicap single game.

The league leading Hooks had a 774 high single game and a 2795 high handicap series. The Moles had the high handicap single game with a 971 and the Orphans had the high scratch series for the night with a 2260.

League standing follows:

Team	W	L	Team	W	L
Hooks	36	12	Guards	22	26
Hornets	27	21	Hurricanes	21	27
Short Circuits	26	22	Thin Pins	20	28
Orphans	26	22	Moles	14	34

must be played on the Oak Ridge course.

Meanwhile progress had been reported to the Recreation Office by golfers throughout Y-12 in formation of teams to play in the Plant Golf League. The deadline for submitting names of teams, team members and captains and their addresses and telephone numbers, to the Recreation Office will be noon, Monday, April 9. League play will begin April 16 with the season to be divided into two halves and the season's title being decided by a playoff if different teams win the first and second half of the schedule. Teams may have six golfers on their rosters with four to compete in league matches.

Everybody's safety is your business.

## Eight Or More Teams Expected In Bigger Y-12 Softball Loop

### League Will Elect Officers, Decide Policies At Meeting In Recreation Office This Afternoon

The first organizational meeting of the Carbide Y-12 Softball League was held Thursday, March 15, at the Recreation Office. Some organizational work was completed but the more important matters are to be decided on at the next meeting, to be held at 3 o'clock this afternoon, Wednesday, March 21, at the Recreation Office, North Portal.

### Eight Teams Represented

Eight teams were represented at the meeting and expressed a desire to participate in the league. This does not limit the number of teams, however, and any team not already entered should notify the Recreation Office immediately, telephone 7753, or come in person. Only six teams started play last year and one of those chopped out at midseason.

### CANDIDATES FOR VARSITY SOFTBALLERS ARE CALLED

All softball players in Y 12 who want to try out for the plant varsity team this season are asked to attend a meeting to be held at 3 o'clock Thursday afternoon at the Recreation Office, North Portal. New employees are particularly urged to be present as it is believed there is a wealth of talent in the plant among the newcomers. Plans now are also being made to call a meeting of candidates for a women's varsity team and all Y-12 women interested in playing are asked to be on the alert for a notice in The Bulletin in the near future for such a session.

League play will begin about the middle of May with the schedule being divided into two halves. A playoff will be held between the first and second half winners, if necessary, to decide the championship.

Motions were brought before the meeting to limit the players to those who are not participating in varsity softball or baseball. Voting was postponed on these motions until thought could be given to the questions and until a larger group of representatives could be gathered. Other business to be taken up at the next meeting will be election of officers.

Teams entered so far are the Guards, All Stars, two teams from Bldg. 9212; one team each from Y-12ers in Bldgs. 9211 and 9707, the Bums, and a team composed of some last year's Rippers plus some new players.

## Y-12 Cuemen Blank ORNL By Five Points

The Y-12 team got away on top of the second half of play in the Atomic Pocket Billiards League Sunday night by hanging a five-point whitewash defeat on the Oak Ridge National Laboratory cuemen. In the other clash Sunday night the K-25 Carbons took three from the K-25 Carbides. The Y-12 stickmen will meet the Carbides next Sunday.

## Robins Beat Fairchild, Pepsi in Tourney; Y-12ers Will Meet K-25 In Next Encounter

The Y-12 Robins got a running start in the Southern Appalachian basketball tournament in Knoxville where they are entered in the Women's Class A Division. The Y-12ers banged out easy wins in their first two appearances and appeared to be the class of the tournament — barring an unforeseen reversal in form.

The Robins pounced on the Fairchild sextet in their opener to get a 25 to 18 triumph. Helen Brown tossed 10 points through the hoop with Helen Aikman coming through with six, Ruby McGinnis five and Ruth Sweat four.

The big win came when the Y-12 lassies awed the Knoxville

### BASEBALL CANDIDATES WILL BE GIVEN NOTICE

As the long awaited spring weather so far has failed to put in an appearance—diamond enthusiasts in Y-12 have decided to put off any further meetings until better playing conditions prevail. All candidates for the Y-12 Cardinals, varsity team to represent the plant, are urged to keep a close lookout for a practice call—to be given as soon as possible.

## Wolves Prowl For Four Points From One-91

The Wolves of the B League had the high scratch and handicap series Thursday night, March 15, to win four games from the One-91 keggers. The first place Rippers won three games from the Head Pins, the Bumpers dropped three games to the Comets, the Wasps won three from the All Stars, the Tigers won three games from the Bums, and the Cubs won three from the Maintenance bowlers.

Rudy Pletz of the Comets had the individual high scratch game with a 214. Paddy Peckman of the Cubs had the handicap single high with a 250, this score being second high for this third of league play. The high scratch series was rolled by Frank Gragg of the Wolves. He had a 566 for the third high in this third. Wolf Ernie Cobble had a 631 high handicap series.

The Wolves had a 877 scratch single game, third high for this section of play. They also had a 2610 scratch series and a 2975 handicap series, both second high for this section. The All Stars and the Bumpers tied for the high handicap single game with a 1009. This gives the Bumpers fourth high in this division. The All Stars have a higher game.

League standing follows:

Team	W	L	Team	W	L
Rippers	17	3	Tigers	10	10
Bums	14	6	Cubs	9	11
All Stars	12	8	One-91	7	13
Comets	12	8	Bumpers	6	14
Wolves	12	8	Maintenance	6	14
Wasps	10	10	Head Pins	5	15

### PRIORITIES GRANTED

The Atomic Energy Commission, Defense Department, Coast Guard and National Advisory Committee on Aeronautics have been granted priorities on purchase of paper, desks and other office supplies, according to the Washington Star.

More Sports News On Page Four



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## Kemps Capture Two To Tie For First Place In W League

The Kemps moved back into a tie for first place in the W League Tuesday, March 13, by winning two games from the Woes. Margaret O'Neal and Mavis Koons took the individual honors for the night to aid the Kemps in gaining all the team highs.

The Controllers and the Mix-Ups won two games from the Cracker Jax and the Hi Balls. The wins moved the Mix Ups out of the cellar for their first sight of daylight since entering the league as the last place team to replace the Strickettes.

A 229 handicap single game gave Margaret O'Neal of the Kemps the high score in that department for this half of league play. Her 182 was the high scratch game for the night. Mavis Koons, a Kemp teammate, had the high series scores for the night with a 475 scratch and a 619 handicap.

The first place Kemps made a clean sweep of the team scoring honors with a scratch single of 729, a handicap single of 982, a scratch series of 2042, and a handicap series of 2801. The Controllers rolled a 1979 scratch series, the second highest score in that department during this half.

League standing follows:

Team	W	L	Team	W	L
Cracker Jax	20	13	Controllers	16	17
Kemps	20	13	Mix-Ups	13	20
Hi Balls	18	15	Woes	12	21

## University, AEP Classes Enrollment Will Open Thursday

Y-12ers desiring to register for the spring term of night classes conducted by the University of Tennessee division of university extension or the Oak Ridge Adult Education Program may do so on Thursday, Friday and Saturday of this week. Enrollment may be made at the Adult Education Program office at Room 29, Oak Ridge High School for the AEP classes, for which certificates are granted persons satisfactorily completing the courses; or in the university extension classes, for which college credits are given.

Hours of enrollment are from 6 p. m. to 9 p. m. Thursday and Friday and from 9 a. m. to noon on Saturday. Classes will open next week at the high school.

### Training Department Will Help

Complete information on the various subjects offered may be obtained at the Adult Education Program office, telephone Oak Ridge 5-2889. The Y-12 Training Department, Bldg. 9704-2, telephone 7716, also will assist Y-12ers in mapping courses and giving information.

University credit courses are offered in accounting, art, bacteriology, business law, chemistry, chemical engineering, economics, electrical engineering, engineering drawing, English, geology, German, labor relations, marketing, mathematics, office administration, physics, psychology, sociology and statistics.

### Certificate Courses Varied

Among the certificate courses to be presented will be classes in art (drawing and painting), blueprint reading, business English, business mathematics, business law, china painting, various types of dancing, driver training, piano instruction, office machines, secretarial training, sewing, sheet metal layout, shorthand, stenography, wood-working and high school subjects.

### EGYPT PLANS HANGARS

The Wall Street Journal quotes military sources in Cairo, Egypt, as saying underground hangars from which planes can take off for atomic attacks on Russia are being built at Suez Canal Zone airports.

"I never go out with perfect strangers."  
"That's OK, I'm not perfect."

## Protection Against Espionage And Sabotage More Vital Than Ever Says M. F. McDermott

**Editor's Note:** An interesting and timely article on industrial plants security with pertinent quotations from Michael F. McDermott, former superintendent of plant security at K-25 and now a consultant on plant protection for all Carbide units in Oak Ridge, appeared in a recent issue of "Chemical Industries Week," a magazine. The article is reprinted in part below.

In the last few weeks a wave of plant security consciousness has begun to sweep the country. It started with the recent edict of the Tennessee Valley Authority that bars the public from all dams, power plants and chemical works of TVA for the duration of the present emergency. TVA's emphasis on security precautions was echoed immediately by the Atomic Energy Commission which has stated that similar stepped-up controls are in the making for its operations.

Chemical companies, among other industrial concerns, quickly caught the spirit of the actions of the two big government organizations. Each day brings notice that another chemical processor is taking steps to protect its manufacturing operations and alert its personnel against the possible actions of saboteurs and spies.

### McDermott Is Expert

To get the up-to-the-minute story on plant security needs, "Chemical Industrial Week" interviewed an expert on the subject, Michael F. McDermott, the war-

### McDERMOTT IS VISITOR TO CARBIDE THIS WEEK

M. F. McDermott, former K-25 superintendent of plant security, whose views are given in this article, is a visitor to Carbide units in Oak Ridge this week. He is a consultant on security and other plant protection problems for Carbide plants here.

time superintendent of plant security at the K-25 project of Carbide and Carbon Chemicals Company of Union Carbide and Carbon Corporation at Oak Ridge and former deputy chief inspector of the detective division of the New York Police Department. These positions devoted to the protection of lives and property have combined to make "Chief" McDermott a leading consultant on the subject of plant protection.

Plant security now, as in World War II, says McDermott, entails two big jobs... protection against espionage and protection against sabotage. During the recent war, he points out, the emphasis was somewhat higher on the first task. This was because it was often more to the enemy's advantage to spy on and copy our production operations than it was to destroy

## Analytical Chemistry Group Will Meet Monday Night

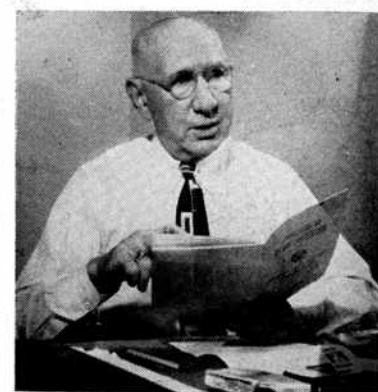
Y-12 members of the Analytical Chemistry Group of the East Tennessee Section of the American Chemical Society are urged to attend the next meeting of the group, set for next Monday night, March 26. The meeting will be held at 8 o'clock in Room 111, Woodland School.

Dr. Sydney Katz, of K-25, will be the principal speaker on the program. His topic will be "Gas Titrations."

Members of the group will vote on an amendment to the by-laws at the Monday night session.

### CAMP FOR CAROLINA JOB

The Augusta, Ga., Herald, has announced that the E. I. duPont Corporation has reported plans for constructing a 15,000-unit trailer park at the Atomic Energy Commission plant in South Carolina.



Michael F. McDermott

them. If an all-out conflict were to come in the future, however, sabotage and plant destruction would be the main purpose of enemy agents.

### Espionage Objectives Described

Before espionage activity can be guarded against, says McDermott and the book, it is necessary to know in what kind of information the enemy agents are interested. The safest answer here is "everything"... but specifically:

1. Capacity, rate of production, order details.
2. Plans and specifications of products.
3. Test records of news items of equipment.
4. Sources of raw materials, components.
5. Destination of products, transportation routes.
6. Data on production methods.
7. Critical points and methods of effective sabotage.
8. Security measures in effect.
9. Dissatisfied labor elements that might be employed.

The methods of getting this information are as varied as the types of information sought, McDermott explains. Infiltration into plants as employees, visitors or inspectors is a favorite means. An enemy agent also can often operate outside the plant by stealing or purchasing information from employees or merely by encouraging them to "talk shop." Another approach involves the use of "fronts" such as commercial concerns, travel agencies, import-export associations, scientific organizations, insurance agencies and business groups to obtain confidential statistical information.

### One Man Can Cause Havoc

Sabotage, according to the former atomic security official, does not always consist of the "bomb and burn" method. There are many subtler and even more effective devices at the hands of the professional saboteur such as the damaging of power systems, communications and water supplies. One man working within a plant can cause a lot of havoc by tampering with gauges, precision tools, testing instruments, blueprints, working models or any other thing that is employed to control the quality of the final product. Contamination of raw materials is also a very efficient method to create spoilage and lost man-hours of production.

Protection of life and limb is an equally important job for the security staff, contends McDermott. In times of manpower shortages, lost time injuries due to plant "accidents" can often create more disruption to plant scheduling than contaminated raw materials or spoiled products. The infecting or polluting of drinking water or foodstuffs, tampering with ventilating systems or other safety devices and creation of dangerous working conditions are only a few of the ways a saboteur can knock out the human ingredient in munitions production.

"Yes," concluded the security-wise McDermott, "the saboteur is always thinking up new ways to throw his shoe into the machinery (original derivation of sabotage)... Our job is to keep him barefooted."

## Pictures By Gordon Win First And Second Prizes In Carbide Camera Club Contest

Frank Gordon, of the Y-12 Electromagnetic Research Division and vice president of the Carbide Camera Club, took both first and second prizes in the March black and white photographic contest held by the organization. The contest was on "trick photography." The meeting was held Tuesday night, March 13, in the Camera Club headquarters in the Y-12 East Portal building.

Third place in the contest went to S. A. Hluchan, of the Oak Ridge National Laboratory, who also took honorable mention with another entry.

### Description Of Technique

Gordon's two pictures were entitled "Chapel-On-The-Hill" and "Mommie Said 'No Cookies'." The chapel picture was a bas relief photograph, made by combining positive and negative films and printing slightly off line. The other picture, with a child in a pantry as the subject, was made by a double exposure, paste up and rephotograph.

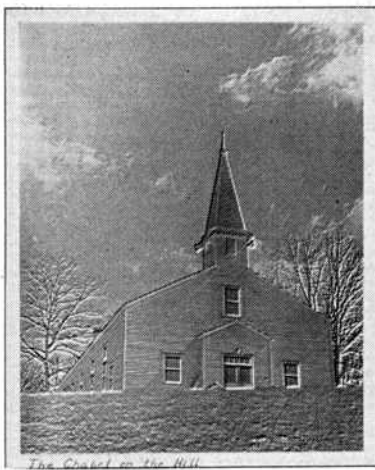
In addition to the contest the club members heard a talk by Norman Lindblom, photographer for the NEPA Division of Fairchild Airplane and Engine Co., on use of exposure meters and other equipment. Lindblom also showed several of his pictures and explained some technical problems involved. He is a former Y-12er.

### ORNL Man Is Judge

Milton Lietzke, a chemist at ORNL and photographic enthusiast, judged the prints in the contest.

Color movies on the Smoky Mountains and serving of refreshments rounded out the program.

The next meeting of the club will be held on Tuesday night, April 10, when a contest will be staged on color slides of children.



**THE TWO PICTURES** above won first and second prizes for Frank Gordon, of Y-12, in the Carbide Camera Club contest on trick photography. In the bas relief of The Chapel-On-The-Hill he used a Busch Pressman camera, Super Ortha Press film for both negative and positive, developed in Ansco 17, with the print on Cykora paper developed in Ardol. He used the same camera, film and developers in the "ghost" picture of the child but made the print on Indiatone.

## Y-12ers Invited To Enter Ridge Table Tennis Tourney

Y-12ers are invited to enter the first annual Oak Ridge table tennis tournament sponsored by the city department of recreation and may obtain entry blanks from the Y-12 Recreation Office. The event will be held next Thursday and Friday, March 29 and 30, at the high school gymnasium. Entries will close at midnight Friday, March 23.

A total of 15 events are on the tournament schedule, including men's singles and doubles, men's novice, old timers for players more than 35 years old, women's singles and doubles, mixed doubles, mid-get, junior and intermediate boys and girls' singles and doubles. Awards will be given winners and runners-up in the various divisions. Play will be on a single elimination basis with two out of three game matches except in finals when three out of five games will be played.

## Elks Eke Out Bowling Win Over Y-12ers By 69 Pins

The Elks Club keglers of the Oak Ridge City Bowling League won total score and two games to take three points from the Y-12 bowlers Monday, March 12. The match was tied at the end of two games in both games won and in total score. The Elks team took the last game by 69 pins and won total score by the same amount. The line scores for the night were, Y-12 833, 878, 764—2525; Elks Club 914, 847, 833—2594.

Frank Gragg again was high man for the Y-12ers with 207, 234, 144—585. He was followed by Elmore Koons with 170, 200, 145—515; Walt Sherrod 180, 148, 168—496; Ernie Cobble 176, 159, 159—494; and Conrad Roberts 150, 137, 148—435.

### 'IRON CURTAIN' INTERESTED

Diplomats of "iron curtain" countries are reported by Rep. L. Mendel Rivers (D-S.C.) to be making "reservations" at the resort town of Aiken, S. C., so they can keep tab on construction of the new Atomic Energy Commission project near there. The representative is asking the state department to restrict activities of such diplomats, according to the New York World Telegram and Sun.